

(continued from outside back cover)

A facile and efficient synthesis of styrene carbonate via cycloaddition of CO <sub>2</sub> to styrene oxide over ordered mesoporous MCM-41-Im/Br catalyst J.N. Appaturi and F. Adam (Malaysia) . . . . .	150
Pt-Cu electrocatalysts for methanol oxidation prepared by partial galvanic replacement of Cu/carbon powder precursors I. Mintsouli, J. Georgieva, S. Armyanov, E. Valova, G. Avdeev, A. Hubin, O. Steenhaut, J. Dille, D. Tsiplakides, S. Balomenou and S. Sotiropoulos (Greece, Bulgaria, Belgium) . . . . .	160
The effect of the gas composition on hydrogen-assisted NH <sub>3</sub> -SCR over Ag/Al <sub>2</sub> O <sub>3</sub> S. Tamm, S. Fogel, P. Gabrielsson, M. Skoglundh and L. Olsson (Sweden, Denmark) . . . . .	168
Palladium on graphene as efficient catalyst for solvent-free aerobic oxidation of aromatic alcohols: Role of graphene support G. Wu, X. Wang, N. Guan and L. Li (PR China) . . . . .	177
Influence of the nature and environment of vanadium in VSiBEA zeolite on selective catalytic reduction of NO with ammonia R. Baran, T. Onfroy, T. Grzybek and S. Dzwigaj (France, Poland) . . . . .	186
Design and synthesis of hydrophobic and stable mesoporous polymeric solid acid with ultra strong acid strength and excellent catalytic activities for biomass transformation F. Liu, A. Zheng, I. Noshadi and F.-S. Xiao (China, USA) . . . . .	193
The impact of ZnO load, stability and morphology on the kinetics of the photocatalytic degradation of caffeine and resazurin M. Bitenc, B. Horvat, B. Likozar, G. Dražić and Z.C. Orel (Slovenia) . . . . .	202
The effect of lanthanum doping on activity of Zn-Al spinel for transesterification Q. Liu, L. Wang, C. Wang, W. Qu, Z. Tian, H. Ma, D. Wang, B. Wang and Z. Xu (China) . . . . .	210
A ferromagnetic $\gamma$ -alumina-supported iron catalyst for CWPO. Application to chlorophenols M. Munoz, Z.M. de Pedro, N. Menendez, J.A. Casas and J.J. Rodriguez (Spain) . . . . .	218
The effect of La <sup>3+</sup> -doping of CeO <sub>2</sub> support on the water-gas shift reaction mechanism and kinetics over Pt/Ce <sub>1-x</sub> La <sub>x</sub> O <sub>2-<math>\delta</math></sub> C.M. Kalamaras, K.C. Petalidou and A.M. Efsthathiou (Cyprus) . . . . .	225
Catalytic oxidation of toluene by ozone over alumina supported manganese oxides: Effect of catalyst loading E. Rezaei, J. Soltan and N. Chen (Canada) . . . . .	239
Investigation of the role of platinum oxide for the degradation of phenol under simulated solar irradiation H.S. Kibombo, C.-M. Wu, R. Peng, J. Baltrusaitis and R.T. Koodali (USA, The Netherlands) . . . . .	248
High carbon-resistance Ni/CeAlO <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst for CH <sub>4</sub> /CO <sub>2</sub> reforming W. Chen, G. Zhao, Q. Xue, L. Chen and Y. Lu (China) . . . . .	260
Well-dispersed g-C <sub>3</sub> N <sub>4</sub> nanophases in mesoporous silica channels and their catalytic activity for carbon dioxide activation and conversion Z. Huang, F. Li, B. Chen, T. Lu, Y. Yuan and G. Yuan (PR China) . . . . .	269
Fabrication of novel SnO <sub>2</sub> -Sb/carbon aerogel electrode for ultrasonic electrochemical oxidation of perfluorooctanoate with high catalytic efficiency H. Zhao, J. Gao, G. Zhao, J. Fan, Y. Wang and Y. Wang (PR China) . . . . .	278
Sulfonic acid-functionalized aerogels as high resistant to deactivation catalysts for the etherification of glycerol with isobutene M.D. González, P. Salagre, E. Taboada, J. Llorca, E. Molins and Y. Cesteros (Spain) . . . . .	287
Synergistic catalytic degradation of antibiotic sulfamethazine in a heterogeneous sonophotolytic goethite/oxalate Fenton-like system T. Zhou, X. Wu, Y. Zhang, J. Li and T.-T. Lim (PR China, Republic of Singapore) . . . . .	294
Rationales for the selection of the best precursor for potassium doping of cobalt spinel based deN <sub>2</sub> O catalyst G. Maniak, P. Stelmachowski, A. Kotarba, Z. Sojka, V. Rico-Pérez and A. Bueno-López (Poland, Spain) . . . . .	302
Co/Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> solid-solution catalysts with cubic fluorite structure for carbon dioxide reforming of methane S. Zeng, X. Zhang, X. Fu, L. Zhang, H. Su and H. Pan (China) . . . . .	308
Complete methanol oxidation in carbon monoxide streams over Pd/CeO <sub>2</sub> catalysts: Correlation between activity and properties Y. Luo, Y. Xiao, G. Cai, Y. Zheng and K. Wei (PR China) . . . . .	317
Effect of silver nanoparticles on TiO <sub>2</sub> -mediated photodegradation of Alizarin Red S M.L. de Souza and P. Corio (Brazil) . . . . .	325
A dye-sensitized FeOOH-CNT photocatalyst with three electron transfer channels regulated by hydrogen bonding X.-F. Shi, N. Li, K. Zhao, G.-W. Cui, Y.-Q. Zhao, M.-Y. Ma, K.-H. Xu, P. Li, Y.-B. Dong and B. Tang (PR China) . . . . .	334
Solar Advanced Oxidation Processes as disinfection tertiary treatments for real wastewater: Implications for water reclamation M. Agulló-Barceló, M.I. Polo-López, F. Lucena, J. Jofre and P. Fernández-Ibáñez (Spain) . . . . .	341
Synthesis of Pt-based hollow nanoparticles using carbon-supported Co@Pt and Ni@Pt core-shell structures as templates: Electrocatalytic activity for the oxygen reduction reaction D.A. Cantane, F.E.R. Oliveira, S.F. Santos and F.H.B. Lima (Brazil) . . . . .	351